



The EAST-WEST CENTER

Bulletin 1972-73



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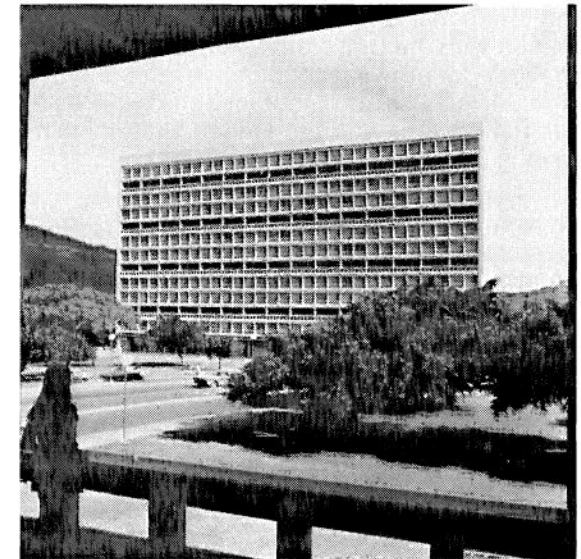
THE EAST-WEST CENTER is an international educational institution established in Hawaii by the United States Congress in 1960. Formally known as the "Center for Cultural and Technical Interchange between East and West," the institution brings men and women together from Asia, the Pacific area and the United States to exchange ideas in a variety of cooperative programs of study, training, research.

The federally-funded East-West Center is administered by the University of Hawaii to further the broad national goal of fostering better relations and mutual understanding among the peoples of the United States, Asia and the Pacific area.

Each year nearly 2,000 research-oriented Fellows, mid-career professionals seeking further knowledge and skills, and degree students from more than 35 countries and territories study, work and confer together in East-West Center programs. They are supported by annual scholarship and grant appropriations from the Congress, supplemented in some fields by cost-sharing contributions from Asian/Pacific Governments, regional agencies and private foundations. Others receive training annually from Center-sponsored instructional teams in Asian/Pacific field workshops jointly sponsored with interested agencies or institutions.

Fundamental to Center goals is the interchange of information, ideas and beliefs in an atmosphere of academic freedom. Center programs combine theory and practice in preparing present and future leaders for dealing with real life problems of mutual concern to the peoples of the United States, Asia and the Pacific. Experience at the East-West Center in its first decade has led to the conviction that deeper cultural understanding and mutual respect is fostered when men and women of diverse nationalities and cultures study and work together on team projects defining, seeking and testing alternative solutions to common problems affecting the quality of life.

Accordingly, academic degree study, research, and professional study and training



are integrated in problem-oriented programs on which the East-West Center is placing principal emphasis in its second decade.

Five Institutes at the East-West Center focus on the problems of cross-cultural communication, population dynamics, culture and language learning, food systems, and technology and development. Study is underway on ways to increase attention to human values and the contributions of the arts and humanities in Center programs, including one possible new program to which major contributions would come from the disciplines of the humanities. Under any circumstances, humanistic considerations are, and will remain, essential components of the present Institutes.

A limited number of grants also are given for graduate study and research in fields not directly associated with the problem-oriented programs to provide necessary flexibility in meeting Center goals.

To promote cultural interchange and provide the best thinking from both East and West, the professional staff of the Center includes outstanding men and women of a dozen different nationalities, of diverse academic disciplines and wide practical experience. This

multi-national East-West Center staff, in association with the University of Hawaii, provides the basis for growing cooperative relationships with universities and other institutions in Asia, the Pacific area and the United States mainland.

Academic degrees are awarded by the University of Hawaii, not by the East-West Center. The Center does, however, award Certificates to participants satisfactorily completing its programs.

A variety of conferences and seminars related to East-West Center programs bring international authorities in their fields to the Center each year. An integral part of each Center program is a research materials collection for the use of scholars, practitioners and institutions. Scholarly works related to Center programs are published as "East-West Center Books" through joint arrangements with the University Press of Hawaii.

East-West Center grants are awarded in the ratio of approximately two Asian/Pacific participants to every American.

Grants are made to persons from the United States, Asian countries stretching from Japan to Afghanistan and the Pacific area from Micronesia to New Zealand and Australia.

Most students and professional study and training participants live in residence halls of the East-West Center complex, which is situated on the Manoa campus of the University of Hawaii.

Intercultural activities involving all members of the East-West Center build lines of trust, friendship and common interest which tie participants into a community of understanding. Contact between Center participants and the Honolulu community is strengthened by the Friends of the East-West Center, a voluntary organization composed of members of the local community interested in the ideals of the Center.

The East-West Center is operated under a contract between the University of Hawaii and the Bureau of Educational and Cultural Affairs of the U.S. Department of State.

A National Review Board appointed by the Secretary of State represents the national interest in the Center.

Since 1960, approximately 21,000 men and women have participated in East-West Center programs. These include 2,316 university degree students, mainly seeking graduate degrees; 13,000 professional study and training participants; and 467 Senior Fellows and Fellows. More than 5,000 persons have participated in international conferences and seminars sponsored or hosted by the Center.

Goals of the Center

Within the East-West Center's mandate to foster better relations and understanding through cooperative study, research and training, the general goals of all Center programs are to:

1. Enhance the quality of life among the peoples of the United States, Asia and the Pacific.
2. Educate men and women toward multicultural perspectives.
3. Provide a setting for interaction (interchange) among men and women of different cultures, disciplines, professions and skills.
4. Inquire into the relation of theory and practice in human affairs.
5. Develop the capacity for decision-making in multi-cultural situations.
6. Provide experience in testing and evaluating decision-making designs.
7. Develop the collection and exchange of knowledge among the cultures of Asia, the Pacific area, and the United States.
8. Foster continuing relations among former participants to strengthen the network for exchange of knowledge and maintenance of understanding.

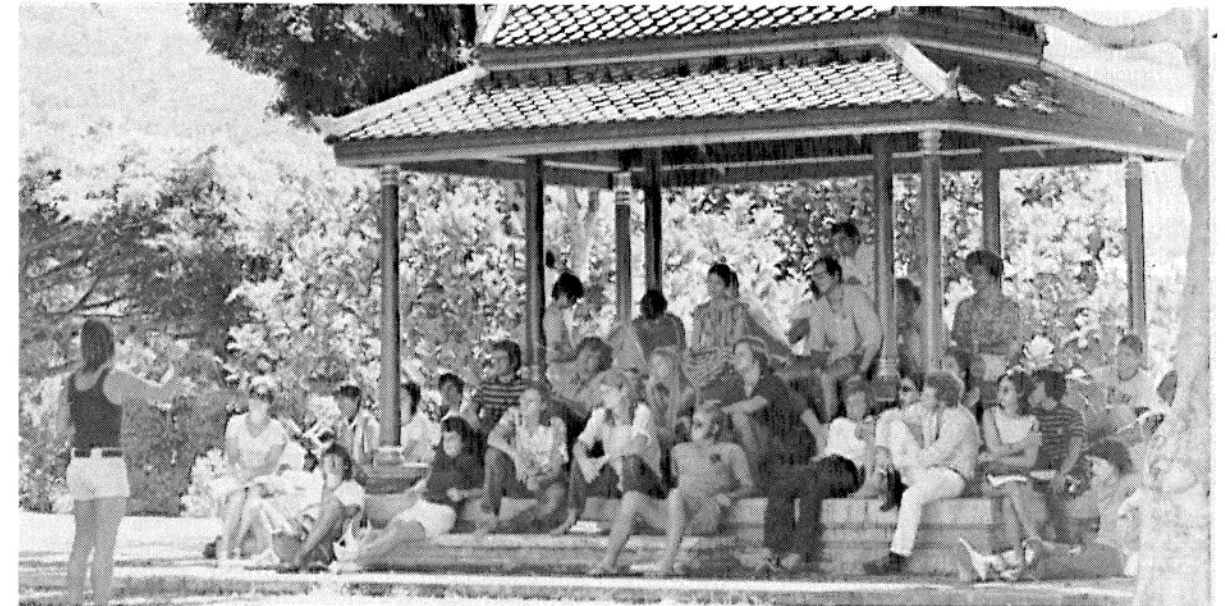
Cultural Interchange

A unique dimension of the East-West Center is its provision of avenues for promoting cross-cultural understanding within a multicultural environment. By bringing together a variety of participants—practitioners and professionals, degree students, Fellows, and others—from different cultures with different life styles and providing living and working areas for them to interact with one another, the Center creates an atmosphere for interchange.

Cultural interchange is a basic means to the attainment of all of the East-West Center's goals. Interchange relies on genuine communication among all Center participants and staff. It involves thoughtful consideration of differing views and values and is rooted in curiosity, open-mindedness, respect for others, awareness of individuality, and the human striving for a sense of community. Students, Fellows and staff members, grouped together around problems of mutual concern, provide the basic setting for interchange. Activities of a social and general culture nature are arranged and aided by the Office of Participant Activities.

Activities designed to promote interchange among all participants extend from the initial arrival orientation through the completion ceremony. Informal settings such as camps and discussion groups with families in the community are supplemented with national day programs of cultural exhibits and shows. The annual International Night programs of songs and dances from the Asia/Pacific area and America, as well as seminars and lectures, promote the exchange of ideas on various topics of interest and help to increase mutual respect and understanding for diverse cultures.

During the University of Hawaii's semester break in January, Institutes sponsor special events such as seminars. Opportunities abound for sharing all forms of cultural expression from art, music and cooking, to dress and social customs. One of the highlights of a student's experience at the Center is the Inter-Island Exchange during which students in groups of 11 visit the neighbor islands. The students visit high schools, participating in discussions with Hawaiian students, and live with local families, through cooperation with



the Pacific and Asian Affairs Council. Such an experience brings a much greater awareness of the unique culture of Hawaii to Center students.

The Friends of the East-West Center provide many opportunities for interaction. Students can become closely acquainted with the Honolulu community through "host families," who regularly invite students to their homes on a continuing basis.

Interestingly enough, not only does the West learn more about East and vice-versa, but East learns more about East. Asians from Afghanistan to Japan discover each other at the Center. Pacific Islanders learn about others from their wide area, as well as entering into cultural interchange with Asians and Americans.

Academic Freedom

As a university-related educational institution, the East-West Center supports the basic concepts of freedom of inquiry and of freedom of expression for its participants. The East-West Center supports the freedom to disseminate information as well as the freedom to engage or not to engage in dialogue. The East-West Center assumes that all participants, governments and sponsoring institutions understand and accept these concepts.

When Center students study abroad they are expected to comport with the principles of academic life; encouraged to understand the local government and politics; and obliged to abide by the laws of the host country and those of their home country.

The East-West Center with its goal of mutual understanding among the peoples of Asia, the Pacific, and the United States, can only exist and flourish in an atmosphere of mutual trust and respect. For this reason it is Center policy neither to conduct nor support any classified activity, research, conferences, translations, publications, training, or education. The Center expects that participants and staff will respect the confidences of colleagues

and the right, in study and research, to pursue the truth. Furthermore, the Center is governed by and committed to the University of Hawaii's policy statement on "Rights and Freedoms of Foreign Students" which is extended to include all Center participants: students, scholars, trainees, and conferees. This statement reads as follows:

"The University of Hawaii, like all state universities, embraces those aspects of academic freedom which guarantee the freedom to teach and the freedom to learn. Free inquiry and free expression for both students and faculty are indispensable and inseparable. Students, whether from the United States or from foreign countries, as members of the academic community are encouraged to develop a capacity for critical judgment and to engage in sustained and independent search for the truth.

"Students from foreign countries, as full participants in the educational process at the University of Hawaii, have the right to pursue formal knowledge, verbal or written, in whatever directions and with whatever legitimately appropriate associations as are necessary, without fear of reprisal.

"For its part, the University of Hawaii guarantees all students the freedom of silence. No student is required to engage in research on any topic or to make statements of any kind, unless it is his wish to do so.

"The University of Hawaii would be most concerned if any government placed its own nationals in jeopardy for engaging in normal academic studies on its campus; it urges other governments to accept the concepts of academic freedom prevalent here if they intend for their nationals to study at this institution."

East-West Communication Institute

The East-West Communication Institute provides graduate students, advanced scholars, and practitioners in different fields of communication with the opportunity to work together in programs of education, training and research. The Institute is concerned broadly with improving the processes of sharing knowledge across cultural frontiers to enhance the quality of life. It is concerned more directly with helping build and strengthen mass media and other communication systems essential to social and economic change and development in the United States, Asia and the Pacific area.

In addition to those directly in communication studies, more generalized students and scholars in the social sciences and humanities can find appropriate areas for study with emphasis on cross-cultural communication in Institute programs.

Graduate Study

Grants are awarded annually for master's and doctoral degree study at the University of Hawaii, and occasionally for periods at other institutions. Degree students affiliated with the Institute are expected to participate in Institute-directed research and seminars on the use of communication in social and economic development and on cross-cultural communication and development of mass media systems.

Graduate degree studies at the University can be pursued in many fields—as long as the student's particular interest is communication and relates to Institute programs. The many usual fields of study include Asian studies, American studies, anthropology, educational communications, educational psychology, library studies, political science, psychology, sociology, communication, Pacific Islands



studies. Other fields may be selected, depending on the communication emphasis. The University does not offer a graduate degree in journalism, although some graduate credits in journalism may apply to other fields. A proposal for a doctoral degree program in Developmental and Intercultural Communication is under consideration.

In addition to their graduate degree work, students are expected during their studies to become knowledgeable in communication theory and research, and to develop media skills in the use of communication in development programs through involvement in Institute-directed research, seminars, workshops and training projects.

In 1971-72, 21 graduate students—including three Ph.D. candidates—were affiliated with the Institute. They came from Australia, the Republic of China, India, Japan, South Korea, the Philippines, Singapore and the United States, seeking degrees in a dozen different disciplines.

Professional Study and Training

The Institute conducts a wide variety of conferences, seminars, workshops, internships and training programs to meet well-defined

and urgent communication needs in the developmental field that are not readily served by formal academic programs. Projects usually are conducted in cooperation with government agencies and other organizations on a cost-sharing basis.

Professional study and training programs projected for 1972 and 1973 include a six-week seminar for teachers of communication/journalism, Pacific Islands programs in radio station management, journalism and small publications, and a teaching-by-television conference. Also planned are projects for preparing population/family planning information-education specialists. These include participant workshop seminars for information-education personnel in population/family planning programs in developing countries and short term regional conference workshops for media personnel and officials of national population/family planning programs in developing countries.

Among other projects are a government information personnel seminar, internships in communication documentation and communication research, an agricultural communication workshop and a community development workshop. Emphasis is put on mid-management, "trainer of trainers" and "teachers of teachers" approaches. Participation is by invitation, usually in cooperation with joint funding agencies.

Research

Research is the principal method by which the Institute develops new knowledge. All members of the Institute—Fellows, students, and staff—work together to produce new information useful to communication practitioners and scholars in Asia, the Pacific, and the United States. This new knowledge is also incorporated into the Institute's educational and training programs.

Developmental research (the use of communication in national development) and cross-cultural research (the study of the exchange of thoughts and meanings between

peoples of different cultures) receive particular emphasis.

Recent research conducted by Senior Fellows and Fellows included:

Communication supporting family planning and development programs; long-range prospects for mass communication and improved mutual understanding within South Asia and between South Asia and the United States; communication and development in four South Pacific island areas; the role of government information agencies in development, with special reference to cross-cultural problems; an evaluative report of the overall communication systems in Korea; the development of innovative training programs utilizing social science knowledge; a book on communication research in Asia; a study of the meshing of modern media on administrative communication with traditional internal village communication in Indonesia.

Some general problems to which the Institute directs its research resources include:

- The relationship between communication and social and economic development.
- The use of communication in enhancing national development.
- The role of communication in promoting better understanding between peoples of different cultures and nations.
- The effects of persuasive communication on attitude and behavior change.
- Evaluation of information campaigns.
- Case studies on communication programs supporting such areas as agricultural development, population, health, education, and public administration.
- Evaluation of the impact of new communication technology such as satellite television, on other media, on social and economic development, and on intercultural understanding.

With support from the Agency for International Development, the Institute is conducting a special three-year inventory and analysis of information, education, and com-

munication support for population and family planning programs in developing countries. Information and printed and audio-visual materials collected during the study becomes part of the research and training resources and materials collection of the Institute. The East-West Communication Institute cooperates with the East-West Population Institute in this study.

Invitational Fellowships

Scholars, leaders in developmental communication programs, and communication experts including experienced journalists are invited annually to the Institute as Fellows and Senior Fellows for residence from four months to a year. The Fellows pursue their own research work as well as participate actively with students, professional study and training participants and staff in Institute activities.

The Senior Fellow is a well-established scholar or professional person while the Fellow is a younger man or woman of obvious potential and early accomplishment.

Senior Fellows in 1971-72 included Dr. Hideya Kumata, Professor of Communication and Director of the International Communication Institute at Michigan State University; Ambassador Howard L. Chernoff, former Assistant to the Director of the U.S. Information Agency and for 40 years active in newspaper publishing and radio/television broadcasting; Dr. Gloria Feliciano, Dean of the Institute of Mass Communication, University of the Philippines; Mr. Paul Grimes, Foreign News Editor, Philadelphia Bulletin. Fellows included Dr. Ralph P. Barney, now with Brigham Young University's Department of Communications; Dr. Chung-Ho Choe, Editorial Writer for Hangkook Ilbo and Assistant Professor of Journalism at Sung Kyun Kwan University in Seoul; Dr. Sanford E. Danziger, a former Peace Corps physician and later Communications and Family Planning Consultant for several international population organizations; Dr. Karl D. Jackson, who recently received his doctorate from Massachusetts Institute of Technology.



Jefferson Fellowships

Jefferson Fellowships are awarded annually to mid-career Asian, Pacific and American journalists in print and broadcast media for a semester of study at the University of Hawaii, including a two-week trip to the U.S. mainland for professional interviews and observations.

The Fellowships are scheduled each year for the Spring Semester (January to May) and are awarded to editors, writers and broadcasters with particular interest and experience in developmental communication. While at the Center, the Fellows pursue their interests through research projects, regular and special seminars and classes, and through meetings with news and information professionals. The Fellows live in East-West Center dormitories, and participate actively with students, trainees and Senior Fellows in Institute and Center activities.

More than 30 journalists and broadcasters have participated in the Fellowships since 1967. In the 1972 program 10 journalists were selected from Afghanistan, Australia, India, Indonesia, Japan, Korea, Malaysia, Nepal, New Guinea and Thailand.

Resource Materials Collection

The Institute collects and disseminates research and other resource materials on the use of communication in social and economic development, cross-cultural communication and mass media development. The Resource Materials Collection, started in 1970, is for use by East-West Center students, trainees, scholars, staff and other participants as well as for university researchers, administrators and practitioners in Asia, the Pacific and the United States.

The Institute is establishing a network of correspondents and institutional relationships to cooperate in processing and disseminating material in Xerox or microfiche format. The Institute is concentrating on the more immediate or "fugitive" materials, and supplements the normal acquisitions of the University of Hawaii library. The Collection consists of research findings, case studies, papers on communication theory and research methodology and the actual materials used in information campaigns, such as pamphlets, posters, booklets, recordings, slides, films and so forth. The Institute provides clearinghouse services, including bi-monthly accessions lists, bibliographies, abstracts and summary translations. Development is in progress on a computerized system for storage, retrieval and dissemination of data and abstracts on collection materials. The Collection provides a working situation for practical training and participation of the Communication Documentation Internships.

Staff

Director of the East-West Communication Institute is Dr. R. Lyle Webster, who joined the Center staff in 1970 after serving for six years as a Ford Foundation consultant to the Government of India in developing an agricultural communication system. Prior to his work in India, Dr. Webster was Director of Information for the U.S. Department of Agriculture.

Dr. Jim Richstad, former newspaperman and journalism professor, is an Associate

Researcher at the Institute, and works with degree students, professional study and training programs, the Resource Materials Collection and newsletters.

Dr. Robert P. Worrall, former Assistant Representative for the Ford Foundation in India, is a Research Associate and directs the Inventory-Analysis project.

Dr. Maggie Lim, M.D., who was instrumental in development of family planning programs in Singapore, holds a joint appointment as Research Associate at the Communication Institute and Associate Professor, School of Public Health, University of Hawaii.

Dr. Florangel Z. Rosario, communications professional from the Philippines, is jointly Research Associate at the Institute and Assistant Professor of Communication, University of Hawaii.

Miss Sumiye Konoshima, former assistant librarian of the East-West Center Library, is in charge of the Resource Materials Collection.

David J. Radel, formerly Project Specialist in Population for the Ford Foundation in East, Central, and South Africa, is a Staff Researcher with the Inventory-Analysis Project.

Mrs. Elizabeth Buck is a Staff Researcher (half-time) in the Inventory-Analysis project. She has worked at the Northwestern University Library and the U.S. Department of Education.

Mrs. Merry Lee San Luis is a Staff Researcher in the Professional Study and Training program. She has had considerable experience with training programs in the Philippines, having been associated with the Peace Corps, US/AID and the International Rice Research Institute there.

Cuyler E. Shaw is an Associate Program Officer in the Professional Study and Training program. He spent two years in Malaysia as a Peace Corps Volunteer and has a graduate degree in South East Asian studies.

Mrs. Vera Hong is Senior Administrative Assistant.

East-West Culture Learning Institute

Members of the East-West Culture Learning Institute seek deeper insight into cultural interchange by systematic study and analysis of characteristic features shared by people in various societies. It has been estimated that there are over one hundred definitions of culture. The Institute's scholarly and practical training interests range from a society's humanistic and artistic achievements to material things such as styles of clothing; from patterns of behavior such as the way men talk and act to their religious and philosophical beliefs.

Experience and observation has demonstrated that cultures are so varied that an in-



dividual is likely to know only a small part of his own society's present and past culture and only a fraction of the contemporary cultures of other social and language community groups. In the Institute attempts are therefore made, with the hope that better understanding will be achieved, to analyze the ways in which a person becomes aware of previously unobserved patterns of his own culture and of patterns of cultures other than his own.

The international, inter-disciplinary membership of the Institute approaches its task through academic degree study, research and publication, and training projects planned in cooperation with agencies in Asia, the Pacific and the United States. Members of the Institute are: (1) an interdisciplinary staff; (2) professional participants from the fields of industry, government, education and the arts in Asia, the Pacific and the U.S.; (3) senior scholars who are already established in their respective academic fields; and (4) their junior colleagues, still at the thresholds of their careers, who receive East-West Center scholarships for graduate degree study in various departments of the University of Hawaii.

A detailed description of Institute programs can be found in the Institute's annual Bulletin.

Graduate Study

In the academic year 1971-72, the Culture Learning Institute had 60 grantees studying for M.A. and Ph.D. degrees in the University of Hawaii. Forty-five new grants are projected for the academic year 1972-73 and the Institute expects to maintain its number of degree grantees at the level of approximately 100. In 1971-72 Institute students came from fifteen nations.

As the Institute is concerned with the interrelated problems of culture and language learning, students in 1971-72 were in some 16 disciplines ranging from American studies to speech communication. The heaviest concentrations are in subject areas such as psy-

chology, Asian studies, linguistics and the teaching of English as a foreign/second language. Other disciplines represented in the Institute fields of interest include anthropology, art, drama and theater, East Asian languages, educational administration, educational foundations, educational psychology, English, geography, history, music, Pacific Islands studies, philosophy, political science, public health, social work, and sociology.

Beyond the normally high standards that the East-West Center sets for its participants at all levels, the Institute looks for graduate students who have above-average academic ability and a strong interest in the interactions of the people who live in Asia, the Pacific and the United States, who speak their languages and carry the values of their cultures. Only students of such caliber will be able to take full advantage of the year-round projects that the Institute offers in which substantive staff members, Fellows, professional study and training participants and graduate students work together on particular research problems relevant to culture and language learning. Only students with such abilities and interests will be able to obtain the maximum benefit from the field education projects in countries of their interest for which they are eligible midway through their grants. On field education they will be required, at least, to use their foreign language for everyday activities. They may, however, also need to use it for study and research.

Professional Study and Training

The Institute places emphasis on multidisciplinary, multi-cultural training projects which are of contemporary significance but are future oriented. They are designed to meet cultural and linguistic needs identified by countries in Asia and the Pacific Basin and by the United States. The projects are funded through a cost-sharing arrangement between the Institute and cooperating countries. They usually begin in either September or January each year. Their participants, who are mid-

career professionals in such fields as language learning and teaching, cross-cultural education, museum management and community development, work in the Institute for periods of four to eleven months.

Professional training projects planned for 1972-73 include Pacific basin, Asian and United States programs in a wide variety of fields. The Pacific basin program, for example, includes a project in cultural studies and cultural identification and documentation projects for museum managers in cooperation with the Bernice P. Bishop Museum in Honolulu; ethnomusicology training in recording, classifying and analyzing contemporary music, songs and dances; training in ethnographic recordings and techniques for cultural documentation and analysis, as well as curriculum development; a community and social development workshop. Other projects are scheduled for educational administration and curriculum development, Pacific language development, administrators of English as a foreign language, and trainers of teachers of English to speakers of other languages.

In the Asia program, cultural studies and cultural documentation training projects provide advanced training and cross-cultural contacts for playwrights, producers, directors and stage artists, and training in cross-cultural awareness and sensitivity for Japanese government personnel. Other projects include a continuation of basic humanities curriculum development by Indonesian faculty members, training for Asian library science instructors, linguistic analyses of the Korean, Thai, Lao, Vietnamese, Burmese, Indonesian and English languages, and a project in documentation of kinesics of Japanese.

A short-term training project for American and Asian teachers-trainers in Asian studies is scheduled, along with a course for English language program administrators.



Research

Research in the Institute is being developed in the following directions:

- Analyses of culturally determined social behavior.
- Cross-cultural studies of role perceptions.
- Development of techniques of simulating intercultural communication through role playing.
- Second language learning and teaching including the study of sociocultural contexts and situations.
- Studies in applied linguistics with particular emphasis on cultural studies.

A description of research in progress is given in the Institute's annual Bulletin obtainable on application to the Director. Research is reported in the Institute's Working Papers and Reprints which can be supplied as microfiches at cost plus postage.

Invitational Fellowships

Each year scholars in the fields of culture learning are invited to the Institute as Senior Fellows and Fellows for periods of residence ranging from four months to a year. In addition to pursuing individual research, the Fellows are expected to work closely with graduate students and to participate in team research and training projects involving staff members, degree students and professional study participants.

Among Senior Fellows and Fellows at the Institute in 1971-72 were:

Miss Jean Marie Ackermann, Film Consultant and Lecturer, California State Polytechnic College, Pomona, California; Dr. Stephen Bochner, Lecturer in Psychology, University of New South Wales, Kensington, Australia; Dr. Richard W. Brislin, Assistant Professor of Psychology, Western Washington State College, Bellingham, Washington; Mr. Jazir Burhan, Lecturer, Institut Keguruan dan Ilmu Pendidikan, Bandung, Indonesia; Dr. Alice Yun Chai, formerly Lecturer, Kapio-

Iani Community College, Honolulu, Hawaii; Dr. Peter R. Goethals, Associate Professor of Anthropology, University of North Carolina, Chapel Hill, North Carolina; Dr. Willis H. Griffin, Professor of Education, University of Kentucky, Lexington, Kentucky; Dr. Sun Jai Kim, Professor of Linguistics, Yonsei University, Seoul, Korea; Dr. William H. Narum, Professor of Philosophy and Religion, St. Olaf College, Northfield, Minnesota; Professor Gotfried B. Pasaribu, Professor of English, Institut Keguruan dan Ilmu Pendidikan, Djakarta, Indonesia; Dr. John Useem, Professor of Sociology, Michigan State University, East Lansing, Michigan; Dr. Ruth Hill Useem, Professor of Sociology and Education, Michigan State University, East Lansing, Michigan; Mr. Richard Via, Adviser, English Language Education Council, Tokyo, Japan.

The Institute is developing a collection of resource materials on culture and language learning for use by Institute students, professional participants, Fellows and staff. Emphasis is on modern methods of retrieval and storage using punch cards, microfilms and microfiches.

Staff

Dr. Verner Bickley, Professor of English as a Second Language at the University of Hawaii, serves as Director of the East-West Culture Learning Institute. He was most recently Language Officer of the British Council in Japan and First Secretary of the British Embassy Cultural Department in Tokyo. Dr. Bickley spent 20 years in Asia organizing, developing and advising English language and linguistics programs for universities as well as radio and television stations. He has taught linguistics, English and education in colleges and universities in Singapore, Burma and Indonesia.

Dr. Y. Baron Goto, Vice-Chancellor Emeritus, East-West Center and Senior Professor of Agriculture at the University of Hawaii, is Consultant to the Institute. Before joining the

East-West Center in 1962 he was Director of the Hawaii Cooperative Extension Service. Among many honors and distinctions he has received are a Paul S. Bachman Award, a Citizens of the Year Award and a World Brotherhood Award.

Dr. Masanori Higa serves as Research Associate with the Institute. Formerly on the faculty of Kwansei Gakuin University in Japan, he also was a Research Associate at Harvard University and now holds a joint appointment as Associate Researcher, Pacific and Asian Languages Institute, University of Hawaii, and Associate Professor, Department of English as a Second Language.

Dr. Thelma Kintanar, on leave from her post as Associate Professor of English Literature at the University of the Philippines, joined the Institute staff in December, 1971, as a Research Associate.

Mr. Gregory Trifonovitch, with 20 years of experience in the Pacific (Micronesia), the Far East and the Middle East, is the Senior Program Officer with particular responsibility for professional study and training projects.

Mr. H. Van Buren serves as Associate Program Officer. Formerly Fulbright teacher in Japan and Linguistic Fellow at the University of Hawaii, he is responsible for degree study programs and publications.

Mr. Larry Smith, who has traveled extensively in the Far East and Southeast Asia, is Program Officer in the Institute with particular responsibility for English as a Second Language and English as a Foreign Language Programs. He taught for four years in Thailand with the Peace Corps and the Southern Baptist Convention.

Miss Yasuko Fukumi is Resource Materials Specialist in the Institute. She graduated from Tsuda College in Tokyo and obtained a Master's degree in Library Science from Kansas State Teachers College.

Mrs. Hazel Tatsuno is Senior Administrative Assistant.

East-West Food Institute

The East-West Food Institute deals with an integrated interpretation of the human, technical and economic concerns with food. Institute research, education and training programs are related to the efficient and profitable production of commodities from land and sea resources; the evaluation and improvement of nutritional quality; techniques of processing, preservation, and distribution; and preparation for effective utilization. The Institute's programs also deal with economic, social, and political policies, cultural values, institutions, and population characteristics which are related to food—from production through consumption.

These concerns are universal and each is part of a total system of interrelationships. The "food system" is as much a concern of planners and policy-makers in the national capitals as it is of the producers and traders in the towns and countryside, or of consumers the world over. All have a stake in the availability of food in sufficient amounts and quality.

The general objectives of the Institute are:

- To stimulate and conduct research and training programs which contribute to the solution of specific food-related problems, and to the promotion of social and economic development.
- To develop working methods which encourage collaborative research, training, and other food-related activities involving specialists educated in different disciplines and representing different countries.
- To add to knowledge about food and the multi-faceted aspects of the food system.
- To sustain and expand the capacity of Institute participants to cope with food-related problems after return to their own countries through periodic reinvolverment in aspects of Institute programs.



Graduate Study

The Institute awards East-West Center graduate study scholarships to students in a wide range of disciplines. In addition to special fields directly associated with agriculture, fisheries, nutrition, food technology, and economic analysis, the Institute's focus on food systems attracts students from other fields in the humanities, and social and natural sciences. Students interested in any field that deals with people living in rural areas or by the oceans, or which deals with the geographical, historical, political, cultural or planning implications of food-related activities may affiliate with the East-West Food Institute.

While formal coursework and graduate degrees are offered by the University of Hawaii, the Institute provides a number of opportunities which are intended (1) to broaden the individual's perspective on food problems, and (2) to demonstrate the relationship of specific food-related problems to the total system.

Program coordination is achieved through consultations involving the student, his aca-



demetic advisor or committee, and the Institute staff. Common elements of the programs of all Institute students include special courses or seminars which are offered for graduate credit in the University, and which are designed to complement the regular academic requirements of the separate departments. These are:

1. Seminar on "The Food Systems of Asia and the Pacific" (3 credits). This seminar is offered in a four-semester cycle focusing, in turn, on Southeast Asia, East Asia, South Asia, and the Pacific. The student may select the semester in which to take the seminar, based on his program objectives and interests. During each semester the seminar examines current priority concerns in the designated sub-region that relate to food. At the same time their interrelationships are explored through a "systems approach."

2. Course on "Agriculture and Rural Development Administration" (3 credits). This course is intended to provide some of the skills and sensitivities needed in formulating and carrying out purposeful programs and policies through formal as well as informal governing

organizations at the national, regional, and rural local level. It is directed to students in all fields, many of whom will find themselves in policy-making and administrative positions at some point in their careers.

In addition, each student is encouraged to take at least one course in the tropical application of a food-related discipline outside his primary subject matter area of interest.

Field education is another common component of the graduate degree study grant. This opportunity may take the form of a period of course work, involvement in internship or other special training programs, or thesis research in the student's home country, or in other areas of Asia, the Pacific or the United States. Each field education program is developed in accordance with the student's interests, preparation, and career goals. The Institute plays a leading role in developing high-quality field education opportunities.

In addition, special ad hoc seminars, or seminar series (such as the "Food Forum") are organized within the Institute in accordance with the interests of participants.

Professional Study and Training

Throughout the countries and territories of Asia and the Pacific, as well as the United States, there are men and women with operational responsibilities in public and private organizations whose activities relate to food to a greater or lesser degree. Priority in short-term training and professional study, which will be conducted primarily in Hawaii but also in selected field sites, will be given to those individuals with clearly defined program responsibilities demanding new or improved skills in technique, planning and organizing, operational analysis, or in the training of others.

These programs are run, to the greatest extent possible, in cooperation with other international and national institutions and agencies on a basis of joint planning, implementation, and support. Preference is given to projects involving participants from several nations and territories. Locations are selected where training may be expeditiously conducted under the conditions illustrating the subject matter.

The general subject matter areas around which specific training programs are organized include 1) production of selected commodities, 2) protection of crop and food resources, 3) marketing analysis and operations, 4) program planning and implementation, 5) extension education and other information flow, and 6) consumer economy and nutrition.

Recent training projects have dealt with establishing and managing agricultural research systems in the Pacific, strengthening extension agent competencies in Micronesia, developing training skills in the animal sciences for the Pacific, and cultivating giant prawn in Southeast Asia.

Research

The research program of the Institute is conducted by graduate students involved with their thesis studies, by Fellows and Senior Fellows (as noted below), and by the permanent staff. These specialists are brought together into flexible working groups, called "task forces," with specific frames of reference.

The Institute research effort is being directed primarily at topics which are likely to become increasingly significant in the years ahead although they may not be especially well recognized at present. Based on the deliberations of participants in several conferences and seminars, and the counsel of invited scholars and other consultants, a small number of subject matter areas of concern have been identified as being of priority significance. These include agricultural diversification and multiple cropping, crop and food protection, agribusiness, planning and implementation of agricultural and other food related programs and policies, and the application of "systems" concepts to modernization problems in fields related to food.

Multi-national research-oriented conferences have been held on agricultural diversification, systems analysis in agricultural mechanization programs, and crop protection. At each conference, major participation has been provided by specialists from Asian and Pacific nations. In addition, one extensive research workshop on agricultural diversification was held in Thailand. At this workshop Thai and East-West Food Institute agricultural scientists and economists prepared a joint project proposal based on mutual research interests.

Invitational Fellowships

Outstanding scholars and authorities are invited to come to the Institute for periods of from four to twelve months to undertake research, writing, consultation on program development, discussion, and other related activities in an international academic atmosphere.

During 1971-72 several Senior Fellows made contributions in the subject matter areas of the Institute task forces, while others contributed in additional fields.

Dr. Richard Bradfield (an American agronomist with long experience at the International Rice Research Institute in the Philippines), Dr. Thambapillai Jogaratnam (an agricultural economist from Ceylon), Dr. David Parbery (an Australian agronomist with recent

experience in Thailand on behalf of the Asian Development Bank), and Dr. Keizo Tsuchiya (an agricultural economist from Japan) made individual contributions to the continuing research effort on agricultural diversification and multiple cropping.

Dr. LeRoy Holm (an American horticulturist), Professor Juan Pancho (an agricultural botanist from the Philippines), and Dr. Donald Plucknett (an agronomist from the University of Hawaii) collaborated on a jointly authored book on the major weeds of the world, in continuation of the Institute's interests in crop protection.

Dr. Simon Baker, (a geographer from the United States) prepared an Asian-oriented manual evaluating techniques for land resource analysis through remote sensing. Dr. Irving Brecher (a Canadian economist) conducted research on the role of external capital in national development, and on the income and employment effects of technological change in developing areas.

All the Fellows took part also in counseling students, offering special seminars, in teaching portions of classes, or in advising on the development of new research and training projects.



Staff

Director of the Food Institute is Dr. Nicolaas Luykx, who came to the Center after serving on the faculty of agricultural economics and the Southeast Asia Program of Cornell University, and the faculty of agricultural economics of Michigan State University. Dr. Luykx holds a joint appointment as a Professor of Agricultural Economics in the University of Hawaii's College of Tropical Agriculture, and is a Trustee of the Agricultural Development Council (A/D/C).

Serving as Senior Program Officer is Mr. Larry Zuidema, with primary responsibility for degree student programs.

Dr. Donald Green, a specialist in non-formal education, has primary responsibility for giving direction to the Institute's specialized professional study and training programs.

Dr. Sadiqul Islam Bhuiyan, an agricultural engineer, has primary responsibility for the Institute's program directions in the applications of "systems" concepts.

Dr. William Staub, who holds a joint appointment in the department of agricultural economics of the University of Hawaii's College of Tropical Agriculture, has primary research interests in the impacts of technological change on farming systems, and on employment and income opportunities.

Mrs. Rita Hong is responsible for the Institute's resource materials and reference collection of documents. Mrs. Fannie Lee-Kai is Senior Administrative Assistant.

Additional staff positions are being developed in relation to the flexible task force approach of the East-West Food Institute's program thrusts.

East-West Population Institute

The goal of the East-West Population Institute is to contribute to the understanding and solution of population problems affecting the societies of Asia, the Pacific, and the United States. In furthering this objective the Institute conducts a broad research program, promotes graduate study in its field, organizes a variety of professional study and training projects, and engages in technical cooperation with sister institutions abroad. The Institute was established in November, 1969. Significant support for this Center program is provided by a grant from the Agency for International Development. In developing its program the Institute is assisted by an International Advisory Committee consisting of 14 distinguished scholars and public servants in the field of population from Asia, the Pacific, and the United States.

A detailed description of Institute programs can be found in the Institute's annual Bulletin.

Graduate Study

The Institute awards East-West Center scholarships to students seeking advanced degrees from the University of Hawaii in various disciplines closely related to population studies. These include both M.A. and Ph.D. degrees in the College of Arts and Sciences, and M.P.H. and M.S. degrees in the School of Public Health. The aim is to provide opportunities for graduate students to acquire an understanding of demographic structures and processes, and a competence in aspects of popula-

tion related to their particular discipline and professional orientation.

In the College of Arts and Sciences, an inter-disciplinary Population Studies Program is offered, involving the cooperation of several departments. Course offerings include demographic analysis, ecological anthropology, communication, manpower economics, economics of population growth, population geography, and urban and rural sociology. Students who successfully complete 15 credits in approved courses and pass a final examination obtain a certificate in Population Studies.

At the School of Public Health, several curricula include population and family planning studies, biostatistics, and maternal and child health. Typical course offerings include world population problems, fertility and reproduction, vital and health statistics, and techniques in demographic analysis. Students specializing in population studies may also enroll in relevant courses provided by other University departments.

The Institute complements formal graduate training in three ways: by providing more intensive advisory and technical services to students, by involving students in research seminars, and by involving students in research and, in particular, in field study.

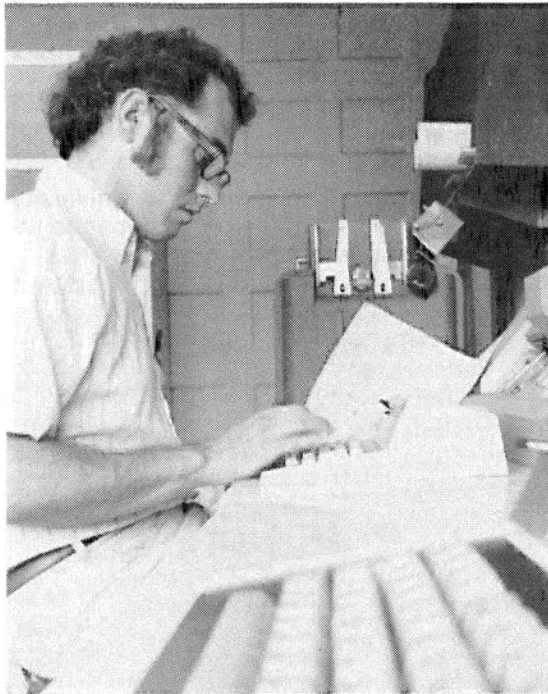
As faculty members teaching University courses in population often hold joint appointments with the Institute, a close day-to-day contact between the Institute and the graduate training programs of the University is maintained. In most instances, students specializing in population studies are assigned departmental advisors who are also members of the Institute staff. Students affiliated with the Institute have preferential access to the Resource Materials Collection and to the Institute's computing and data processing facilities.

In the fall of 1971 there were 47 graduate students holding Institute scholarships, representing seven academic fields (anthropology, economics, geography, Pacific island studies, psychology, sociology, and public health) and 13 countries.

Professional Study and Training

The Institute conducts and supports short-term nondegree training projects designed to meet the needs for specialized study and instruction in the field of population in Asia and the Pacific. The projects vary in size and duration and with respect to the background of participants. Regular projects include arrangements for internships at the Institute, usually focused on a specific research project; one or two semesters of graduate study under the supervision of a staff member; and the Institute's Summer Seminar—one month's intensive training at the Center followed by a one-week field trip in an Asian country under the sponsorship of a cooperating institution.

In the Second Summer Seminar—held in July and August, 1971—60 professionals participated, representing action, training, and research programs of eight countries. The seminar, which was combined with a field study tour in Korea, focused upon population problems and programs in Asia and upon tech-



The Institute also organizes special non-recurring projects as needs arise. Recent projects of this kind have included a training course in vital statistics methods in the Pacific (held in Suva, Fiji, in cooperation with the South Pacific Commission) that followed a similar course held earlier on techniques of enumeration; and a high-level technical seminar on problems of tabulation in the 1970 round of censuses in Asia.

Research

Research in the Institute focuses upon two main areas.

The first concentration is on analyses of the causes and consequences of population change in Asia and the Pacific and in the United States, especially:

- Quantitative and qualitative effects of population growth and composition upon economic and social development.
- Economic, social, psychological, and environmental factors that determine demographic behavior, in particular human fertility.
- Policies and specific means by which societies try to influence population processes, in particular their comparative efficiency and the reasons for their success or failure.
- Possibilities and means of improving society's capacity to deal with the untoward consequences of population growth.

The second major area of research is in the field of demography proper, with emphasis upon:

- Studies of population change and composition in Asia and the Pacific.
- Development of more efficient methods of demographic estimation for areas where demographic information is missing or defective.
- Special problems of measuring the effects of social action programs that aim at modi-

fying social behavior, in particular with respect to fertility.

- Formal demography.

Research products are disseminated through the series, *Working Papers of the East-West Population Institute*, and in a *Reprint Series*. Both series were started in the Fall of 1970. By Fall 1971, 18 Working Papers and 14 Reprints had appeared.

Recent representative items in these series include studies on methods of demographic estimation for statistically underdeveloped areas; on socio-psychological variables in family planning; on interpersonal communication and the diffusion of family planning; on dual record systems for measuring fertility change; on fertility differentials of Japanese women; on population research in the Pacific; on aggregative economic models and population policy; on Hawaiian life tables; and on the economics of population control.

Among research projects currently under way are projects on optimum population policy; birth control, pregnancy and abortion in Hawaii; social transfer payments affecting demographic behavior; migration in the South Pacific; fertility patterns in Korea; the relationship of population change and economic development on Tokugawa Japan; population pressure and social change in East Malaysia; population and agriculture in Western Samoa; the "value of children" as perceived by parents; historical theories of population and "optimum" population models; effects of education on fertility in Taiwan; population growth and migration in India; and fertility and migration in northwest Thailand.

The Institute's research program is enhanced by conferences that bring into focus special areas of interest in its field. Recent such conferences, held in cosponsorship with various organizations, included the Conference on Manpower Problems in East and Southeast Asia (held in Singapore in May, 1971); the Conference on the Mathematics of Population (held at the Center in July, 1971); and the International Symposium on Statistical Problems

in Population Research (held at the Center in August, 1971).

In support of its research and other programs, the Institute maintains a resource materials collection consisting of a documentation service/reference collection, a data bank with emphasis on the results of censuses and surveys in Asia and the Pacific, and documentation on special subjects. By Fall 1971, the reference collection contained nearly 3,000 catalogued items, over 1,000 reprints, and numerous microfilms and motion pictures, and was receiving more than 60 serial publications.

Invitational Fellowships

Each year a few distinguished professionals from the academic community and governmental or other agencies are invited to join the regular staff for research and other activities furthering the objectives of the Institute. Such persons receive Senior Fellow or Fellow awards which enable them to stay at the Center for periods varying from four to twelve months. Senior Fellows holding appointments with the Institute during the 1971-72 academic year or parts of it included S.B. Mukherjee, Economist and Regional Planner with the Calcutta Metropolitan Planning Organization; Professor Peter Kunstadter of the Department of Anthropology and Epidemiology, University of Washington; Professor Aram A. Yengoyan of the Department of Anthropology, University of Michigan; Professor Arthur A. Brownlea, a geographer with the School of Earth Sciences, Macquarie University, Australia; and Professor Peter B. Maggs of the College of Law, University of Illinois.

Institutional Cooperation

As permitted by its financial and personnel resources, the Institute engages in cooperative research and other population-related projects with other organizations, in particular with institutions active in population research and training in Asia and the Pacific. Staff are encouraged to maintain and develop contacts with scholars and institutions that may lead to such cooperation. The Institute is particularly

ceptive to projects which are genuinely collaborative. Within that framework, and when so requested, the Institute also endeavors to provide consultation and other technical services in the field of population.

The first large-scale arrangement along these lines was worked out between the Institute and the Korean Institute for Research in the Behavioral Sciences (KIRBS), Seoul, Korea. Beginning July 1970, the Institute has cooperated with KIRBS (by providing the services of numerous professionals, from the Institute and elsewhere, backed up with a variety of support services) in the design, testing, execution, and processing of a nationwide sample study of fertility behavior, with particular emphasis on psychological determinants of fertility. The field operation, covering several samples, took place in February, 1971. Several research projects will be based on this survey, with active participation of the Institute. Other cooperative projects in Korea are being developed.

Through the participation of individual staff members and graduate students in cooperative research projects, the Institute is also involved in smaller scale ventures in Hong Kong, Japan, Malaysia, and the Philippines, as well as in several places in the South Pacific. Further development of some of these cooperative relations, as well as development of additional ones, is envisaged for the coming years.

Staff

Director of the East-West Population Institute is Dr. Paul Demeny, who has headed the Institute since its inception in 1969. He previously served on the faculty of Princeton University and at the University of Michigan. He holds a joint professorial appointment at the Department of Economics of the University of Hawaii. Ten Research Associates of the Institute who also had joint University faculty appointments in 1971-72 were:

Dr. Murray Chapman, Associate Professor of Geography, who serves as Assistant Director for Graduate Study; Dr. Lee-Jay Cho, Associate

Professor of Sociology and formerly Associate Director, Community and Family Study Center, University of Chicago, who serves as Assistant Director for Professional Study and Training; Dr. James Palmore, Associate Professor of Sociology, formerly of the faculty of the University of Michigan, who serves as Assistant Director for Institutional Cooperation; Mr. Gary Fuller, Assistant Professor of Geography; Dr. Alan Howard, Professor of Anthropology and former researcher with the Bishop Museum, Honolulu, Hawaii; Dr. Y. Scott Matsumoto, Professor of Public Health; Dr. Johannes Overbeek, Assistant Professor of Economics, formerly of the faculty of the University of British Columbia; Dr. Chai Bin Park, Professor of Public Health; Dr. Peter Pirie, Associate Professor of Geography and Director, Population Studies Program, College of Arts and Sciences; and Dr. Kozo Yamamura, on a visiting assignment from Boston College.

Full-time Research Associate positions at the Institute are held by Dr. James T. Fawcett, formerly of the Population Council, New York; Dr. Susan B. Hanley, Dr. Robert Harrison, Mr. Geoffrey McNicoll, and Dr. Robert D. Retherford.

Other professional staff of the Institute: Fred S. Arnold, Robert W. Gardner, Kajorn Howard, Susan P. Martin, and Eleanor C. Nurdyke, Staff Researchers; Sonia C. Albores, Aki-ko Ikeda, Davor Jedlicka, James Modecki, and Gary Sakihara, Research Assistants; Minja Kim Choe and Doris Y. Tamanaha, Computer Programmers; Alan B. Chalkley, Publications Officer; Alice D. Harris, Resource Materials Specialist; Bertha Lum, Resource Materials Technician; Keith E. Adamson, Executive Officer for Administration; Virginia W. Dolan and Dorothy K. Yoshizumi, Administrative Assistants. Lucien A. Gregg, M.D., serves as Consultant.

The Institute's professional staff, as of Fall 1971, included scholars from over a dozen academic disciplines and nationals from the United States, Australia, Japan, Korea, the Netherlands, New Zealand, the Philippines, Thailand, and the United Kingdom.

East-West Technology and Development Institute

Technology, directed at the application of scientific knowledge to the means of production, is one of the primary sources of modern economic growth and national development. The goal of the East-West Technology and Development Institute is to assist in the search for solutions to the problems of development in Asia, the Pacific, and the United States. The objective of Institute programs is to increase understanding of development as a whole, with special emphasis on the interaction and respective roles of men, institutions and technology as development proceeds in both East and West.

Because of the complexity of this task the Institute's programs involve a wide range of topics and encompass a number of academic disciplines. The Institute is concerned not only with engineering research to adapt existing technologies and to create new technologies more appropriate to the requirements for growth and development in both East and West, but also with the economic, political, cultural and psychological factors which affect the adoption of new ideas, and with the impact of rapid technical change on the development process as a whole.

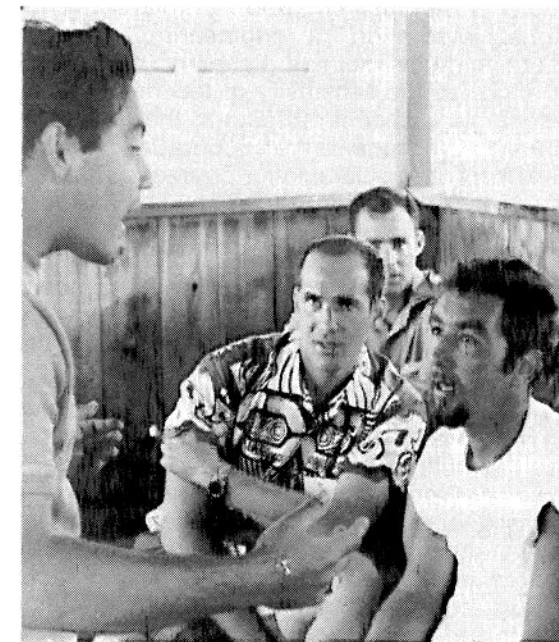
Institute programs give an added dimension to conventional university education and technical training by involving students, senior scholars, technologists and administrators in integrated development planning on a multi-national, multi-disciplinary level. The Institute also has a special interest in fostering the entrepreneurial role in development by working on problems of organization and management of private and public enterprises.

A detailed description of Institute programs can be found in the Institute's annual Bulletin.

Graduate Study

The Institute awards East-West Center scholarships to graduate students seeking advanced degrees at the University of Hawaii in a wide range of disciplines. In 1971-72 approximately 40 students affiliated with the Institute were technically oriented and were enrolled in engineering studies. An equal number of students were concerned with various other aspects of development and sought degrees in economics, business administration, sociology, political science, and related disciplines. Students in the ocean and geo-sciences, as well as urban and rural planning, also may find interests in Institute programs.

The Institute gives highest priority to the attainment of excellence in a student's specialized area of study; however, it seeks to enrich each student's formal graduate training through a number of voluntary programs on a multi-disciplinary, multi-national level. For example, in 1971-72 the Institute sponsored a





five-day student-staff workshop stressing the role of Asian universities in community and regional development, and the need for functional integration of engineering, management, and development planning. In an effort to increase the sensitivity of technologists to economic and cultural factors, the Institute's engineering students are encouraged to enroll in at least one social science course in development or development planning. The Institute sponsors a research seminar, which because of the multi-disciplinary, multi-national composition of its staff, Senior Fellows, and student body, exposes all participants to a wide variety of approaches and perspectives relating to the problems of technology and development.

Staff and Senior Fellows serve students in an advisory capacity to insure that course work, research, and field work and non-credit seminars form a coordinated overall program consistent with each student's needs. The Institute also maintains a resource collection where published materials relating to technology and development are available to students and research scholars.

Professional Study and Training

The Institute conducts a number of professional study and training programs aimed at individuals who have operational responsibilities in government and private organizations in Asia and the Pacific. These mid-career projects are short-term and focus intensively on the techniques for solving a problem which is common to each participant in his home organization.

The training program format encourages participants to prepare a short paper setting out the details of their particular problems in the context of their home organization; these papers are discussed by the group during the first phase of the workshop. A period of intensive training led by expert educators in the subject of the workshop follows next and comprises the core of the training program. Each project usually concludes with each participant redirecting his attention to his specific problem and applying the techniques learned toward its solution.

In 1971-72, for example, the Institute sponsored professional study and training in the following areas: health and social planning; management development; business and public leadership; techniques of project evaluation and feasibility study; and intermediate technology.

In addition to its short-term professional study program, the Institute's Internship program provides an opportunity for longer term non-degree training of from six months to one year. Interns participate in a program combining academic study with on-the-job training. The content of each man's program is worked out with the cooperation of the intern, the Institute, and the institution providing the on-the-job training to provide an individualized program suited to each Intern's needs.

Professional study and training participants are invited by the Institute, usually in cooperation with joint funding agencies.

Research

Research projects carried out by the Institute's staff, Senior Fellows and graduate students are divided into two broad areas. The first emphasizes technical and engineering problems of development and is grounded in the physical and natural sciences. The second emphasizes economic, social, and political problems of development and is grounded in the social sciences. The integration of these two areas wherever possible is a fundamental objective of the Institute.

Technological-engineering research projects in 1971-72 included:

- The development of low-cost building materials for low-income housing, such as soil cement.
- The feasibility of low-cost power sources based on solar and wind energy sources for rural areas.
- A study of estuarine ecology with special reference to pollution problems.
- The development of a research strategy for technology adaptation.
- The adaptation of modern health technologies to the needs of low-income countries.

Social science research projects included:

- An analysis of monetary and fiscal policy in the Philippines.
- The refinement of techniques of economic project evaluation.
- An empirical analysis of Asian production functions.
- A model design for institution-building case materials.
- A comparative research scheme on institution-building strategies.
- A study of administrative strategy for technological transformation with special reference to Indonesia.

An Institute working paper series and a reprint series provide a vehicle for dissemination of research results.

In 1971-72 the Institute sponsored four seminars which brought experts from Asia and the United States together to analyze subject areas of special relevance to technology and development and to assist the Institute's staff in planning future research projects. The Institute maintains a reference collection of published material relating to technology and development, and it assists researchers with computation and data processing problems.

Invitational Fellowships

Outstanding professionals with expertise in areas of interest to the Institute are invited as Senior Fellows and Fellows to conduct research for periods of from four to twelve months. Some Senior Fellows hold joint appointments as visiting professors in University of Hawaii departments. Although research is the main preoccupation of Senior Fellows and Fellows, they are expected to participate in the entire intellectual life of the Institute.

Recent fellows have included: Dr. Maurice L. Albertson, Centennial Professor of Civil Engineering, Colorado State University; Dr. Iskandar Alisjahbana, Professor of Telecommunication Engineering at Bandung Institute of Technology, Indonesia; Dr. Robert B. Buchele, Professor of Management, University of Hawaii; Dr. Richard Gable, Professor of Political Science, University of California at Davis; Dr. Ben Finney, Associate Professor of Anthropology, University of Hawaii; Dr. Agustin Kintanar, Professor of Economics, University of the Philippines with joint appointment as visiting professor in the Department of Economics; Dr. James S. McKenzie-Pollock, M.D., Medical Director, American Social Health Association, with joint appointment in the School of Public Health; Dr. Leon Mears, Field Chairman, University of Wisconsin-Philippines Economics Project; Dr. Sondang Siagian, Director of Research Consultation and Development, National Institute of Administration, Indonesia; Dr. F. C. Vohra, Lecturer, Unit of ecology, School of Biological Sciences, University of Malaya; Dr. Jack C. Yuen, Professor of Civil Engineering, University of Hawaii.

Staff

Heading the Institute's professional staff is the Director, Dr. Hahn-Been Lee, who is on leave from Seoul National University, Korea. Dr. R. Michael Pearce, is Assistant Director and provides direct support for research initiation and planning.

Professor Louis J. Goodman, Research Associate, holds a joint appointment as Director of International Programs, College of Engineering, University of Hawaii, and is primarily responsible for Institute programs in the engineering-technology area. Dr. Marshall Merriam, Research Associate, who is on leave from the School of Engineering, University of California, Berkeley, is initiating research in simple tools and equipment for developmental uses.

Dr. Young-Whan Hahn, Research Associate has primary responsibility for institution building programs. Dr. John A. Richards, Research Associate, holds a joint appointment as Assistant Professor, Department of economics, University of Hawaii. Dr. Gary Hansen joins the staff in 1972 with a Ph.D. in Political Science from the University of California, Berkeley and field experience in Indonesia with the Ford Foundation.

Harold Ajirogi is Senior Program Officer responsible for direction and coordination of all Institute non-degree and professional training programs. Fredrich Burian is Senior Program Officer with primary responsibility for all Institute education programs and student affairs. Mrs. Harriet Kusahara is Senior Administrative Assistant.

Open Grants

The East-West Center each year offers a limited number of grants for degree study, as well as awards for Senior Fellows and Fellows, in academic fields not directly related to its problem-oriented programs. These Open Grants provide the Center with flexibility for accomplishing its goals and meeting requirements for equitable geographic representation of participants.

Students are selected in a wide range of disciplines, primarily for graduate study. A few grants are made for undergraduates from countries in Asia and the Pacific to meet specific objectives. Applicants for Open Grants must meet the high standards required of all Center participants, including a demonstrated interest in cross-cultural study.

While formal coursework and degrees are taken at the University of Hawaii, students will be provided the opportunity for participation in varied Center activities and informal seminars with Senior Fellows on Open Grants.

They may also be considered for field education in furtherance of their individual programs. In general, grants will be awarded to graduate students and Fellows for study and research in fields of mutual East-West concern, including humanities and the arts.

To stimulate interaction among Fellows and between Fellows and students, Fellows will be chosen for 1972-73 on the basis of their scholarly and practical accomplishments, and their willingness to join in cooperative projects in several selected study areas. Informal, interdisciplinary seminars centered on these study themes are designed to involve Fellows and students more deeply in the search for mutual understanding than is normally afforded by formal course work. These themes are not intended to decrease the flexibility of Open Grants and are changed from year to year to maintain the purpose of the grant category.

Several areas have been selected because of the possibilities for major contributions to



at the Center on Open Grants. One theme for 1972-73 relates to "Alternative Futures" in which students and Fellows may explore the rapidly changing society and the alternative futures which may be open to us.

Seminars in other programs and Center-wide seminars also provide opportunity for interaction with Fellows and other participants in the Institutes.

Invitational Fellowships

Each year a small number of outstanding scholars and authorities are invited to the Center on Open Grants for study, research, writing, and other activities. During the summer of 1971, Dr. Hajime Nakamura, Professor of Indian and Buddhist Philosophy at the University of Tokyo, and Dr. Gerald J. Larson, Associate Professor, Department of Religious Studies, University of California at Santa Barbara, were

invited to collaborate on the editing and revision of Dr. Nakamura's manuscript, "Philosophical Problems East and West."

Other Fellows associated with Open Grants during 1971-72 were: Rev. John Walsh, former Vice President for Academic Affairs at the University of Notre Dame; Dr. Theodore Brameld, visiting Professor of Education, University of Hawaii; Dr. Tae-Kil Kim, Professor of Philosophy, Seoul National University, Korea; Dr. Daya Krishna, Head, Department of Philosophy, University of Rajasthan, Jaipur, India; Mr. John Melton, Foreign Service Officer, U.S. Information Agency, Washington, D.C.; Dr. Leften Stavrianos, Professor of History, Northwestern University, Evanston, Illinois; Dr. Ponnampalam Veeravagu, Coordinator of Senior Studies, Friends World College, Westbury, New York; and Dr. Teh-yao Wu, President, Tunghai University, Taichung, Taipei.

Senior Fellows and Fellows working with the Social Science Research Institute of the University of Hawaii on a special Culture and Mental Health Project included: Dr. Jing Hsu, Director, Mental Health Clinic, Tien Medical Center, Taipei; Dr. Kyoichi Kondo, Chief, Department of Psychiatry, Central City Hospital, and Lecturer, Department of Psychiatry, Jikei Medical University, Japan; Dr. Bou-Yong Rhi, Department of Neuropsychiatry, College of Medicine, Seoul National University, Korea; Dr. Wen-shing Tseng, Department of Neuropsychiatry, National Taiwan University Hospital, Taipei.

Staff

As of July 1971, the Open Grants office was placed under the Chancellor's office and operates under the supervision of Dr. John Brownell, Deputy Chancellor for Academic Affairs.

Mrs. Sumi Makey is Office Head and Senior Program Officer. Associate Program Officers include Mrs. Rose Nakamura and Mrs. Lyn Anzai. Mrs. Miriam Gould serves as Program Assistant with primary responsibility for the Senior Fellows.

General Information

Degree Student Grants

Master's degree grants are generally awarded for 17 months if the student begins in September, and for 19 months if he begins in June. The Center also provides a small number of doctoral study grants for 36 months to highly promising individuals who normally must hold an M.A. degree. Former East-West Center students are eligible for a limited number of second grants two years after satisfactorily completing degree study under their first grant.

In general, a grant includes a round-trip economy air fare from the airport nearest the student's home of record by the most inexpensive route to Hawaii. The grant provides tuition fees and a book allowance each semester, housing in East-West Center dormitories and a monthly allowance of \$175 for food and incidental expenses. The Center is not able to provide transportation or support for dependents. Married grantees living with spouses off-campus receive a monthly stipend of \$295, instead of the \$175 allowance for grantees living in East-West Center dormitories. All students are covered by medical insurance paid for by the Center.

Further, if the student meets Center requirements, a grant may provide field education on the United States mainland, in Asia, or the Pacific area arranged in furtherance of his academic program.

Students are ordinarily not permitted to take outside employment to supplement their income, since grants are designed to cover basic expenses. In certain exceptional cases, however, the Center may approve outside employment, but only when required to meet the student's academic objectives.

American military veterans who are eligible for educational benefits under the "GI Bill of Rights" may hold a Center grant and receive the GI Bill benefits concurrently. How-



ever, American students may not receive other government financial assistance concurrently. Awarding of a Center scholarship does not insure deferment of those who are eligible for the draft into U.S. military service.

Criteria for Degree Student Selection

Candidates for grants must give evidence of professional interest in the Center Institute program of their choice, meet the high academic standards of the University, and at the same time demonstrate interest and potential for contributing to intercultural communication. The Center grantee assumes an obligation to help advance the broader cultural aims of the Center, not only in its academic aspects but also in its day-to-day programs of interchange, both formal and informal. No student can profit to the fullest from a Center grant unless he gives of himself and his own culture and actively seeks to learn more of the cultures of his fellow students.

Specific criteria for identification and selection include the following:

1. Professional and academic interests or experiences related to the programs and projects of the Center.
2. Past academic records that meet the minimum requirements for admission to the Graduate School of the University of Hawaii and for the degree field.
3. The individual's potential for contributing to the objectives of the Center and the goals of his country.
4. Leadership potential.
5. The individual's ability to interpret his country and culture to others, and to profit from contact with varied cultures.

Visa Requirements

Asian and Pacific participants receive grants for clearly stated purposes and U.S. visas are issued accordingly. As soon as the stated purposes have been achieved, or when grants are terminated, the participant is expected to return to his/her home country.

Academic Requirements

A degree student must have definite professional and academic goals, carry a full student load and meet all standards and requirements of the University of Hawaii. It is the student's responsibility to meet all requirements. Staff members in each of the Institutes help students to plan their programs so they get maximum benefit from their grants.

The East-West Center complements functions and responsibilities of the University of Hawaii and other cooperating institutions which award degrees. Center programs reinforce academic instruction by involving students in special interdisciplinary seminars, research and training projects which have a problem orientation. Where possible, practical experience is provided in exercising knowledge and skills learned in the classroom.

A grant is awarded for study in the specific field for which the student has indicated firm interest and has received the recommendations of his academic department at the University of Hawaii. Hence, transfer from one department to another is discouraged.

Students are required to take a full academic or research program approved by University departmental academic advisers and Center staff for the entire period of their grants. Graduate students must take at least 9 credit hours per semester.

All native speakers of English are required to take an Asian or Pacific language appropriate to his area of interest and must maintain a 3.0 or "B" level of performance throughout his grant. As far as possible, the language studies should relate to the student's academic goals and Institute activity.

Minimum requirements for continuation of grants are as follows:

Graduate students must maintain a 3.0 or "B" average and progress satisfactorily toward their academic objectives. The Center makes allowances for initial difficulties of language adjustments for foreign students.



Information on classification, degree programs and requirements, performance standards, etc., is available in the Graduate Division Bulletin and General Information Catalog of the University of Hawaii.

Applicants are urged to write to the appropriate Center Institute and department of the University to obtain information, and clarify details of particular study programs before they arrive in Hawaii. Students should be familiar with programs when applying for grants.

Special Academic Information

American Students—Grants are for post-graduate study, and an applicant's proposed study program must be relevant to the problems of the U.S., Pacific, and Asian areas.

American candidates must take the Graduate Record Examination Aptitude Test and arrange for the results to be sent to the Office of Admissions at the Center. This requirement applies whether or not the applicant has had previous graduate training. If an applicant has previously taken this test, he should have the scores sent to the Admissions Office.

Information about the Graduate Record Examination may be obtained from the Edu-

cational Testing Service, P.O. Box 955, Princeton, New Jersey, 08540 or from ETS West Coast Office, Box 1502, Berkeley, California 94701.

Asian/Pacific Students—Competence in English is essential because Center program activities and University of Hawaii instruction are conducted in English. Applicants whose first language is not English must take the Test of English as a Foreign Language (TOEFL) as part of the selection requirement. On arrival, students may be assigned special course work at the University's English Language Institute. In some cases, foreign students may spend their entire first summer or first semester exclusively on the study of English so that they may attain the proficiency needed to pursue their chosen field of study. Academic credit is not given for lower level English courses, but higher level courses do receive undergraduate credit. Foreign applicants who are exempt from taking the TOEFL exam are: (a) native speakers of English from Australia, Britain, Canada, or New Zealand; (b) students who have received a Bachelor's degree from an accredited American, Australian, British, Canadian, or New Zealand university/college.

Field Education

Field education is a program opportunity afforded to qualified degree students supported by the East-West Center. The Center views field education as a vital component of a student's total program to be worked out with the staff of the Institute with which he is affiliated. Each student should consider this component early in his program planning and seek to establish and maintain his eligibility.

Field education is not an automatic part of a degree grant, and is awarded only after consideration of a variety of factors, such as relationship to Center programs and academic standing. A candidate for field education should have demonstrated, by his conduct at the East-West Center and the University of Hawaii, that he has the necessary maturity, sensitivity, adaptability, emotional stability, self-reliance and strength of character required for weathering the cross-cultural and field study situations set out in his proposal.

Students on field education receive a modest stipend to cover the cost of food, accommodation, and incidental expenses. They are covered by medical insurance.

The general purposes of field education are: (1) to complement the academic program in such a way as to enhance professional development and expertise and, at the same time, (2) to provide an intercultural experience commensurate with the overall objectives of the East-West Center.

Each of the East-West Center Institutes defines the activities which constitute an acceptable field education experience for students affiliated with its programs. The activities which may be considered appropriate by the Institutes are: (1) academic study and course work at a university out of state; (2) independent or team research to meet degree objectives; (3) short-term practical training; (4) internships; (5) in-country language learning; and (6) any combination of these.

In all cases, the field education activity must be consistent with the requirements of the student's University of Hawaii academic

advisory committee. The Institute, the academic advisory committee, and the student cooperatively plan and develop a field education experience which will match available opportunities with the student's own interests, adaptability, preparation and prospective career.

Eligible Asian/Pacific degree students will generally engage in field education on the U.S. mainland although it is possible for them to go to Asian/Pacific locations when deemed appropriate. Most U.S. students will go to an Asian/Pacific location for field education.

All Institutes are concerned with the development of high-quality field education experiences as an integral part of their entire program effort. In many cases, U.S. and Asian institutional ties with the Institutes afford unique opportunities for students to be accommodated in existing research and training programs. Students, with rare exceptions involving direct connection with their programs, are required to return to the Center after completing their field education terms to share their experiences and strengthen the program content of the Center.

Some students participate in team projects organized by the various problem-oriented Institutes. These teams include Institute staff members, Fellows, and students working together on a specific project directed by the Institute.

The time spent on field education depends on individual need, the requirements of the Institute and academic program, and the Center's financial resources. Master's degree candidates are limited to a maximum field education of eight months while Ph.D. candidates are limited to a total of 15 months.



Professional Study and Training Grants

East-West Center Institutes award grants for participation in professional study and training projects varying in length from one month to one year. Between 60 and 70 projects involving more than 1,300 participants are developed each year in cooperation with U.S., Asian and Pacific agencies or institutions, usually on a cost-sharing basis. Ordinarily, participants are nominated by the co-sponsoring agency and selections are made by the East-West Center. Criteria for selection are established cooperatively with co-sponsors.

Transportation to and from Hawaii is usually provided by the co-sponsoring organization or by the Center, according to the terms of the project. The grant also provides for study and training expenses, housing in East-West Center dormitories, and a monthly allowance of \$175 for food and incidental expenses. In some cases allowances are increased above \$175 per month. Long-term professional study participants living with spouses off-campus receive a monthly stipend of \$295. All participants are covered by a medical insurance policy paid for by the Center.

Professional study and training students or participants ordinarily are not permitted to take outside employment to supplement their income, since grants are designed to cover basic expenses.

Applicants for grants must show evidence of career relationship to the Institute project in which they participate, meet educational and experience criteria established for the project, and give evidence of interest and ability in contributing to cultural interaction. The Center grantee assumes an obligation to help advance the broader cultural aims of the Center not only in its academic life but in its day-to-day intercultural activities. (See criteria for degree student selection).

Invitational Fellowship Awards

Scholars and authorities in fields relevant to Institute programs and Center goals are invited to participate as Fellows of the East-West Center. The two categories of award recipients are Senior Fellows and Fellows. Senior Fellows (formerly called Senior Specialists) are scholars and officials who are distinguished and recognized for past professional contributions in their fields. Fellows are outstanding individuals still in the early phases of their careers. Grants are extended by invitation for research and other advanced work related to Center programs and are usually awarded for a period of four to twelve months.

Senior Fellow and Fellow grants include round-trip economy air fare for the recipient of the award but not for his/her dependents. The monthly stipend is agreed upon at the time of invitation and is roughly comparable to University of Hawaii faculty salaries related to the position and experience of the grantee. Senior Fellows and Fellows are responsible for the cost of their housing, but the Center assists them in finding suitable accommodation.

Offices and typing service are provided by the Center. Special research requirements such as translations or computing services must be specifically requested of the Institute Director *before* the grant is awarded. Group medical service policy costs in Honolulu are paid by the grantee.

Resident faculty and visiting professors of the University of Hawaii are also invited from time to time to participate under this program.

Conferences

Each year international conferences, seminars and workshops are sponsored on special topics related to Institute activities. In addition, the East-West Center may occasionally sponsor conferences on larger themes with the joint participation of all or several Center Institutes. Many meetings are co-sponsored with outside agencies.

A major aim underlying East-West Center conferences is the promotion of better under-

standing between the intellectual, political, administrative, scientific, business, and technical leaders of East and West through increased contact in international meetings. The Center programs bring conferees from the United States, Asia and the Pacific together to contribute their expertise to relevant problem areas for which definitions and alternate solutions are sought at the Center. Conferees are important links in a growing network of scholars and officials assisting the East-West Center in achieving its goals.

The East-West Center and its Institutes sponsor or host an average of at least one major international conference as well as 2-3 international workshops or seminars each month. In 1970-71, 16 international conferences were held at the East-West Center. There were a total of 534 participants, 269 of whom came from Asia or the Pacific. Seven of these conferences were hosted and nine were sponsored or co-sponsored by the East-West Center. Conferences during the 1971-72 fiscal year deal with such international problems as Population Census Tabulation, Teaching by Television, Agricultural Administration, Institution Building, Satisfaction and Cost of Children, and Alternative Patterns of Development.



Living Accommodations

All degree students and most professional study and training students, unless married and accompanied by their spouses, are required to live in Center residence halls and to abide by the dormitory regulations. Copies of these regulations are available on request and are sent to all successful applicants.

Each of the Center's residence halls is divided into units containing four single and three double study-bedrooms and a lounge. Grantees can expect to share a room with a student of another nationality for at least the first semester of their stay at the Center.

Grantees are provided with bed linen, pillows, mattresses, blankets, curtains, desk lamps and bedspreads, in addition to Western style furniture. They must supply their own towels, wash cloths, soap and other toilet articles.

The Center does not provide maid service; students are responsible for keeping their rooms clean. The residence halls have laundry equipment for student use.

Meals are available at the East-West Center cafeteria and at other food service facilities located on the University campus. The food served is primarily American. Although every effort is made to please the varying tastes of students from different countries, it is not feasible to serve the authentic dishes of each country.

East-West Center Facilities

The East-West Center complex of buildings, completed in 1963 at a cost of more than \$8 million, is on 21 acres of land made available to the Federal government by the University of Hawaii on its Manoa Valley campus. I.M. Pei of New York City was the principal architect. Young and Henderson of Honolulu, the local architectural firm in charge.

The major buildings include:

Thomas Jefferson Hall: The ground floor lounge serves as a meeting place for participants. The cafeteria and dining area lie be-

neath, overlooking the Japanese garden. The upper floor houses administrative offices, two small conference rooms and two large international conference rooms.

Abraham Lincoln Hall: Originally designed as living quarters for scholars and short-term trainees, the building now provides office and seminar space for the various problem-oriented programs of the Center and their research materials collections.

Kennedy Theater: A theater-auditorium with 634 permanent seats, designed for Eastern and Western drama, lectures, concerts and cultural presentations.

Hale Kuahine: Residence hall for 120 women. A first floor lounge and recreation area opens onto a central courtyard. Three residence floors are divided into living units, each with lounge, bath, four single and three double rooms.

Hale Manoa: A 13-story residence hall with facilities for 480 people. The first floor consists of lounges and a recreation room. Forty-eight living units each serve 10 men or 10 women who share common lounge and bath facilities.

An attractive Japanese Garden is located behind Jefferson Hall. The gift of Japanese businessmen, the garden provides a peaceful, lovely spot for rest and meditation. Colorful carp swim in the waters of a meandering stream whose shape symbolizes the Japanese character for "heart-felt greeting."

Adjacent to Hale Kuahine stands a Thai Pavilion, the gift of King Bhumibol Adulyadej of Thailand, who dedicated the structure in 1967. The teak pavilion is one of only three located outside of Thailand and serves as an informal meeting place for Center students.

The East-West Center also has contributed funds for two classroom buildings located on the University of Hawaii campus. Edmondson Hall is located mid-campus in a rectangle of other University buildings of similar design. One wing of Moore Hall, a classroom and office building located near Lincoln Hall, was financed by the Center.

Termination or Change in Grants

An East-West Center grant can be terminated by the grantee before its scheduled expiration only with the consent of Center officials. All financial support ceases on the date of termination. Whether homeward transportation is paid by the Center is decided on an individual basis; a Center student who terminates early may have to pay his own way home.

At the same time, the Center reserves the right to revoke or change a grant if the student does not meet the Center's requirements. In this case, too, payment of allowances ceases and the student may have to pay his way home.

In all cases, the Center reserves the right to alter or interpret the terms of any grant as it may deem necessary.

Alumni Associations

The personal associations as well as academic and professional interests that link participants at the East-West Center often continue after students and Fellows return to their home countries. Active East-West Center alumni associations, organized independently of the Center, have developed in Australia, Fiji, India, Indonesia, Japan, Korea, Okinawa, Pakistan, the Philippines, American Samoa, Western Samoa and Thailand. Less active alumni groups function in the Republic of China, Malaysia and in Honolulu, Hawaii. Specific liaison has also been established in Burma, Ceylon, Hong Kong, Singapore, in the U.S. Trust Territory and several mainland American cities including Washington, D.C., Chicago and San Francisco.

Activities of East-West Center alumni associations include periodic meetings, assistance in selection and pre-departure orientation of new participants, and programmatic assistance for East-West Center participants on field education projects. The Alumni Liaison Office at the Center issues annual alumni directories and quarterly newsletters to keep alumni informed.



Friends of the East-West Center

The Friends of the East-West Center is a public eleemosynary corporation dedicated to helping the Center realize its goal of increasing mutual understanding between East and West through cultural and technical interchange; it cooperates closely with the Community Relations Office, but operates entirely with private funds and volunteer help.

Nearly 1,000 residents of the local Honolulu community are members of the Friends. Activities are focused on helping participants get the most out of their stay in Hawaii. Volunteers provide many services, from working at the information desk in Jefferson lounge to helping foreign students improve their conversational English. One of the major activities of the Friends is the host family program which brings participants into local homes.

Married Students

The Center is not able to provide transportation or financial support for families of married students. Consequently, a married student is urged to consider possible problems before applying for a grant. There is either the problem of lengthy separation if the student comes without his family, or the problem of providing suitable housing, meals and other items in Hawaii's high-cost market from his own pocket.

If a married student wishes to bring his family, he must show evidence that he will be able to provide the necessary financial support.

Married grantees who reside with their spouses in Honolulu may request permission to live outside the Center residence halls.

The monthly allowances for married grantees who have received permission to live off campus with spouse is \$295 (plus medical benefits), instead of the \$175 a month allowance for students living in East-West Center dormitories. (The \$120 differential is an off-campus housing allowance). The monthly allowance for married grantees is not considered sufficient without supplementary income.

East-West Center Students Association

The East-West Center Students Association (EWCSA) includes all student participants at the Center. The EWCSA Council is the elected representative body of the association and includes the president, vice-presidents for each of the five geographical regions encompassed by the Center, and 14 representatives from the dormitory residents and married students.

The EWCSA Council focuses its attention on three major concerns. First, matters relevant to the entire Center such as helping plan the future development of the Center and improving communication within the Center. Secondly, specific grantee concerns such as housing, renovation and social activities. Thirdly, building relations with the community by getting participants out to the community and bringing the community into the Center.

Applications for Grants

Degree student grants for postgraduate studies are restricted to persons under 35.

Non-degree student grants for professional study and training are usually arranged with co-sponsoring governments or institutions which nominate grantees for specific projects. Senior Fellow and Fellow grants are awarded on the basis of invitations by the Center.

Candidates for a degree student grant must have three letters of recommendation submitted by people who have played a significant part in their academic and professional careers. If the applicant is employed, he is expected to have a letter of recommendation from his supervisor. Candidates also may be asked to attend an interview at which the application is discussed.

For Americans, applications and all supporting credentials for degree grants must reach the East-West Center Office of Admissions by December 15 each year. Candidates who are selected will be notified in April the following year.

Americans should write for application materials to the Office of Admissions, East-West Center, Honolulu, Hawaii 96822.

Students from the Asian and Pacific areas can obtain additional information on academic requirements and application procedures from the following offices in their countries:

AFGHANISTAN—Executive Director, Afghan-American Commission, P.O. Box 3124, Kabul.

AMERICAN SAMOA—Supervisor of Guidance and Scholarship, Department of Education, Pago Pago, Tutuila.

AUSTRALIA—Executive Officer, Australian-American Educational Foundation, Churchill House, 218 Northbourne Ave., Canberra, A.C.T.

BRITISH SOLOMON ISLANDS—Director of Education, Department of Education, Honiara.

CEYLON—Assistant Secretary (Americas Division), Ministry of Defense and External Affairs, Senate Building, Colombo.

CHINA, Republic of—Executive Secretary, U.S. Educational Foundation, 54 Chi Nan Rd., Sec. III, Taipei, Taiwan.

COOK ISLANDS—The Secretary, Public Service Commission, P.O. Box 24, Rarotonga.

FIJI—American Consul, American Embassy, Suva.



GUAM—Dean of Students, University of Guam, P.O. Box EK, Agana, 96910.

HONG KONG—Director, Southeastern Asia Regional Office, Institute of International Education, 408 J. Hotung House—4th Floor, 5/15 Hankow Road, Tsimshatsui, Kowloon.

INDIA—Indian Scholars Officer, U.S. Educational Foundation, 12 Hailey Road, New Delhi 1.

INDONESIA—Assistant Cultural Affairs Officer, U.S. Information Service, American Embassy, Djakarta.

JAPAN—Executive Secretary, U.S. Educational Commission in Japan, Room 207, Sanno Grand Building, 14-2, Nagatacho, 2-Chome, Chiyoda-ku, Tokyo 100.

KOREA—Executive Director, U.S. Educational Commission in Korea, Fulbright House, 6-1 Soonwha-dong, Soedaemoonku, Seoul.

LAOS—Cultural Affairs Officer, U.S. Information Service, American Embassy, Vientiane.

MALAYSIA—Executive Secretary, Malaysian-American Commission on Educational Exchange, Room 406 Lee Wah Bank Building, Old Market Square, Kuala Lumpur.

NEPAL—Deputy Public Affairs Officer, U.S. Information Service, Juddha Road, Kathmandu.

NEW GUINEA—The Principal Guidance Officer, Department of Education, Konedobu, Territory of Papua and New Guinea.

NEW ZEALAND—Chairman, University Grants Committee, P.O. Box 8035, Wellington.

PAKISTAN—Chairman, U.S. Educational Foundation Board of Directors, 700-E, Sector G-6/4, Islamabad.

PHILIPPINES—Executive Director Philippine-American Educational Foundation, Teodorica Apartments, 1148 Roxas Blvd., Manila.

SINGAPORE—Secretary, Public Service Commission, High Court Building, Singapore.

THAILAND—EWC Coordinator for Thailand, c/o U.S. Information Service, American Embassy, 125 South Sathorn Road, Bangkok.

TONGA—Director of Education, Education Department, Nuku Alofa.

TRUST TERRITORY—Scholarship and Student Services Officer, Office of the High Commissioner, Trust Territory of the Pacific Islands, Saipan, Mariana Islands 96950.

VIETNAM—Assistant Cultural Affairs Officer, Joint U.S. Public Affairs Office, American Embassy, Saigon.

WESTERN SAMOA—Acting Secretary to the Government of Western Samoa, Prime Minister's Department, Box 193, Apia.

UNIVERSITY OF HAWAII ADMINISTRATION

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Roy Y. Takeyama, *Secretary to the Board of Regents*
Wytze Gorter, *Dean of the Graduate Division and Director
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Robert L. Cushing, *Vice-Chairman, Honolulu*
Clarence F. Chang, M.D., *Honolulu*
Patrick M. Cockett, M.D., *Lihue, Kauai*

Harold C. Eichelberger, *Honolulu*
Stuart T.K. Ho, *Honolulu*
Charles S. Ota, *Kula, Maui*
Herbert M. Richards, Jr., *Kamuela, Hawaii*
Brian L. Sakamaki, *Honolulu*

The University offers course work leading to the bachelor's degree in 66 fields. The Graduate Division offers work leading toward the master's degree in 65 fields and the doctorate in 34.

In addition to its instructional program, the University conducts organized research in several fields. Special units initiate and conduct research in economics, education, biomedicine, Pacific and Asian linguistics, social sciences, water resources, marine biology, geosciences, astronomy, genetics and agriculture.

The main campus is located in the Manoa Valley section of Honolulu, the capital of the state. The University maintains a second four-year campus at Hilo and there are three community college campuses on Oahu, one each on Maui, Kauai, and Hawaii.

During the Fall 1971 semester, the University of Hawaii system had a total enrollment of 39,616 students. The main Manoa Campus included 22,061 students of which 5,124 were seeking graduate degrees. There were 1,353 foreign students on the Manoa Campus—357 being East-West Center degree students from Asia and the Pacific area.

Throughout its history, a distinctive geographical and cultural setting has helped the University achieve excellence in certain areas of study. Geographical location has led to concentration in oceanography, marine biology and interdisciplinary studies of tropical environments, problems and resources.

The physical characteristics of Hawaii have focused interest on natural phenomena in geophysics such as tsunami research, volcanology, astronomy and astrophysics.

Hawaii's multi-racial culture and its ties with Asia have created a favorable environment for the study of various aspects of diverse cultural systems, including such subjects as linguistics, Asian art, music and drama, genetics, philosophy and inter-race relations.

East-West Center
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John A. Brownell, *Deputy Chancellor, Academic Affairs*
R. Lyle Webster, *Director, Communication Institute*
Verner Bickley, *Director, Culture Learning Institute*
Nicolaas Luvkx, *Director, Food Institute*

Paul Demeny, *Director, Population Institute*
Hahn-Been Lee, *Director, Technology & Development Institute*
Robert B. Hewett, *Director, Public Affairs*
Ronald Boqqs, *Director, Administration*

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